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PATENT
Attorney Docket No.: **KNAUTHE-09734**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Gabriele Multhoff	Group No.:1615
Serial No.:	10/526,586	Examiner:
Filed:	12/12/2005	
Entitled:	**Use of Granzyme B as an HSP70/HSP70 Peptide Dependent Inducer of Apoptosis in Tumor Cells**	

REQUEST FOR CORRECTION OF FILING RECEIPT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

CERTIFICATE OF MAILING UNDER 37 CFR § 1.8(a)(1)(i)(A)

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Date: February 9, 2006 By: _____
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Sir or Madam:

The information shown on the attached Filing Receipt contains an error:

1. The Filing Receipt currently lists the title "Use Of **Granme** B As An HSP70/HSP70 Peptide Dependent Inducer Of Apoptosis In Tumor Cells". The *correct* title should be **"Use of Granzyme B As An HSP70/HSP70 Peptide Dependent Inducer Of Apoptosis In Tumor Cells"**. (See attached copy of first page of Specification of Application and Incorrect Filing Receipt).

Applicant(s) hereby request(s) that the Filing Receipt be corrected accordingly.

Respectfully submitted,

Date: February 9, 2006

_____
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/526,586	12/12/2005	1615	1195	KNAUTHE-09734	9	24	5

CONFIRMATION NO. 3810

FILING RECEIPT

OC000000017939176

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Date Mailed: 01/30/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

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Power of Attorney:

John Jones--44174

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/EP03/09341 08/22/2003

Foreign Applications

EUROPEAN PATENT OFFICE (EPO) 020182846 08/23/2002

Projected Publication Date: 05/11/2006

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

PRIOR ART STATEMENT DUE 3 MONTHS 5/23/05
FOREIGN FILING LETTER DUE
6 MONTHS UTILITY / 3 MONTHS DESIGN
FOREIGN FILING DEADLINE
12 MONTHS UTILITY / 6 MONTHS DESIGN
TWENTY-ONE MONTHS SUSPENSE DATE 11/23/06

Should be "granzyme"

Use of granme b as an hsp70/hsp70 peptide dependent inducer of apoptosis in tumor cells

Preliminary Class

514

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Use of granzyme B as an Hsp70/Hsp70 peptide dependent inducer of apoptosis in tumor cells

The present invention relates to a method of inducing or enhancing the expression of granzyme B in natural killer (NK) cells. The present invention relates also to a use of said NK cells for the preparation of a pharmaceutical composition for the treatment of tumors, viral or bacterial infections or inflammatory diseases. Further, the present invention relates to the use of granzyme B for the treatment of tumors, viral or bacterial infections or inflammatory diseases, wherein the tumor cells or the cells affected by said infection or inflammation express Hsp70 on their cell surface.

A variety of documents is cited throughout this specification. The disclosure content of said documents is herewith incorporated by reference.

Elevated cytoplasmic levels of heat shock protein 70 (Hsp70) have been found to protect tumor cells against programmed cell death (Nylandsted et. al. (2000) Ann. N.Y. Acad. Sci. 926, 122). Hsp70 is the major stress inducible form of the heat shock protein family (HSP), which is primarily located in the cytosol. Evidence accumulated during recent years has demonstrated that extracellular localized and plasma membrane-bound HSPs are highly immunogenic and expose the cells to immune attack (Schild et. al. (1999) Current Opinion in Immunology 11, 109). Following receptor-mediated uptake (Arnold-Schild et. al. (1999) J. Immunol. 162, 3757) and re-presentation by antigen presenting cells (APC), HSP-chaperoned peptides elicit a cytotoxic, $CD8^+$ T cell response (Suto et. al. (1995) *Science* 269, 1585). Several receptors, including CD91 and toll-like receptors 2 and 4 (TLR2/4),